

A B S T R A C T

The present invention concerns a gas/liquid(s) separation system constituted by three different sections:

- a primary separator (1) for flows with a G/L in the range 0.1 to 10;
- a secondary separator (2) for flows with a G/L in the range 10 to 50;
- a system (3) which limits the formation of a liquid vortex;

where G/L is the ratio of the gas to liquid mass flow rates.